

APPENDIX A
"CLEAN" VERSION OF EACH PARAGRAPH/SECTION/CLAIM
37 C.F.R. § 1.121(b)(ii) AND (c)(i)

SPECIFICATION:

Replacement for the paragraph at page 33, line 18 to page 33, line 20:

B1
Similarly, if we take $\{h^0, \tilde{h}, g, \tilde{g}^0\}$ as an initial set of biorthogonal filters, a new set of biorthogonal filters $\{h, \tilde{h}, g, \tilde{g}\}$ can be found as

claims:

SubC2
B2
22. (Amended) A method of compressing a data file having data elements each represented by a number of bits, comprising:
performing a wavelet transformation of the data file to provide a series of wavelet coefficients, each of said coefficients being represented by a number of bits having a maximum count no greater than a number of bits representing each of said data elements;
discarding wavelet coefficients that fall below a predetermined threshold value;
quantizing remaining wavelet coefficients which fall above a predetermined threshold value to provide a quantized series of wavelet coefficients; and
compressing the quantized series of wavelet coefficients to provide a compressed data file.

B3
25. (Amended) The method of claim 23 further comprising the step of performing a color transformation of the data file prior to the wavelet transformation step.

B4
28. (Amended) The method of claim 22 further comprising the step of selecting an image filter prior to the wavelet transformation step.

B5
31. (Amended) A compressed data file comprising:
a wavelet transformation of a data file having data elements each represented by a number of bits;

25 wavelet coefficients produced by said wavelet transformation being represented in said compressed data file, wherein said wavelet coefficients are each determined with a number of bits that are no greater in number than said number of bits representing each of said data elements;

said represented wavelet coefficients having a value above a predetermined threshold value; and

said represented wavelet coefficients being quantized and compressed to form a series of compressed, quantized wavelet coefficients in said compressed data file.

APPENDIX C
complete set of "clean claims
pursuant to 37 C.F.R. §1.121(c)(3)

22. A method of compressing a data file having data elements each represented by a number of bits, comprising:

performing a wavelet transformation of the data file to provide a series of wavelet coefficients, each of said coefficients being represented by a number of bits having a maximum count no greater than a number of bits representing each of said data elements;

discarding wavelet coefficients that fall below a predetermined threshold value;

quantizing remaining wavelet coefficients which fall above a predetermined threshold value to provide a quantized series of wavelet coefficients; and

compressing the quantized series of wavelet coefficients to provide a compressed data file.

23. The method of claim 22 wherein the compressing step comprises the step of applying an entropy coding to the quantized series of wavelet coefficients.

24. The method of claim 23 wherein the entropy coding is selected from the group of arithmetic, Huffman, run length and Huffman run length combined.

25. The method of claim 23 further comprising the step of performing a color transformation of the data file prior to the wavelet transformation step.

26. The method of claim 25 wherein the quantizing step comprises sub-band orientation quantization.

27. The method of claim 26 wherein the wavelet transformation step comprises integer wavelet transformation.

28. The method of claim 22 further comprising the step of selecting an image filter prior to the wavelet transformation step.

29. The method of claim 27 wherein the integer wavelet transformation comprises biorthogonal filter method.

30. The method of claim 27 wherein the integer wavelet transformation comprises the correction method.

31. A compressed data file comprising:

a wavelet transformation of a data file having data elements each represented by a number of bits;

wavelet coefficients produced by said wavelet transformation being represented in said compressed data file, wherein said wavelet coefficients are each determined with a number of bits that are no greater in number than said number of bits representing each of said data elements;

said represented wavelet coefficients having a value above a predetermined threshold value; and

said represented wavelet coefficients being quantized and compressed to form a series of compressed, quantized wavelet coefficients in said compressed data file

32. A program for compressing a data file having data elements each represented by a number of bits, comprising:

a routine for performing a wavelet transformation of the data file to provide a series of wavelet coefficients, each of said coefficients being represented by a number of bits having a maximum count no greater than a number of bits representing each of said data elements;

a routine for quantizing those wavelet coefficients which fall above a predetermined threshold value to provide a quantized series of wavelet coefficients; and

a routine for compressing the quantized series of wavelet coefficients to provide a compressed data file.